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State of South Carolina

NINTH ANNUAL REPORT

of the

**State Board of
Engineering Examiners**

to the

GOVERNOR



1931

For Year Ending June 30, 1931

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NINTH ANNUAL REPORT
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State Board of
Engineering Examiners
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Letter of Transmittal

TO THE GOVERNOR

COLUMBIA, S. C., August 20, 1931.

*To His Excellency, HON. IBRA C. BLACKWOOD,
Governor of South Carolina,
Columbia, S. C.*

SIR:

In compliance with Section 6, of an Act providing for the creation of a State Board of Engineering Examiners and regulating the practice of engineering in the State of South Carolina, we have the honor to transmit this Ninth Annual Report of the activities of the Board, together with a statement of receipts and expenditures and a list of those registered in accordance with the Act.

The Board desires to express its appreciation of the cooperation and assistance received from your office and other State departments.

Respectfully submitted,

STATE BOARD OF ENGINEERING EXAMINERS,
L. S. LETELLIER, *Chairman.*

Attest:

T. KEITH LEGARÉ, *Secretary.*

Personnel of South Carolina State Board of Engineering Examiners

GEORGE R. MORGAN, *Chairman*, Greenville
Sales Engineer

W. S. TOMLINSON, *Vice-Chairman*, Columbia
City Engineer, City of Columbia
President, Tomlinson Engineering Company
Member, American Society of Municipal Engineers

T. KEITH LEGARÉ, *Secretary*, Columbia
Asst. Locating Engineer (Municipal), State Highway Dept.
President, Legaré Engineering Company
President, National Council State Boards of Eng. Exmrs.
Member, American Society of Civil Engineers
Member, American Society of Municipal Engineers

L. S. LETELLIER, Charleston
Head, Department of Engineering, The Citadel, the Military
College of South Carolina

G. E. SHAND, Columbia
President, Shand Engineering & Sales Company

REPORT

of the

State Board of Engineering Examiners

ACTIVITIES OF THE BOARD

The Board held two regular meetings during the past year, one on July 8, 1930, and the other on December 2, 1930. Both of these meetings were held in Columbia. Seventeen engineers and one land surveyor were approved for registration by the Board at these two meetings. The number of registrants in good standing as of September, 1931, were: Registered professional engineers 197 and registered land surveyors 25. Attention is called to the large number of registrants who have renewed their registration in face of the fact that many engineers are out of employment and that the business depression has affected all of them.

The South Carolina Board has always been active in national movements pertaining to the registration of engineers and the article reprinted from *Engineering News-Record* on page 7 is included in this report in order that this information may be available to those interested.

MEETINGS, FEES, RENEWALS, ETC.

Regular meetings of the Board are held on the second Tuesday of July and the first Tuesday of December of each year. All applications for registration must be made out on blanks furnished by the Board, accompanied by the required fee and filed with the Secretary of the Board at least ten days before meetings. The fee of \$15.00 required by law before an applicant can be admitted to examination will not be returned after candidate has taken examination irrespective of whether he passes or fails; nor will fee be returned if candidate fails to appear after being duly notified to report for examination, but the Board may at its discretion admit the candidate to a subsequent examination without additional fee.

All certificates of registration expire on June 30th of each year and those who continue to practice after that date without renewal will be violating the law. The annual renewal fee of \$5.00 for engineers and \$3.00 for land surveyors is payable on or before the 3rd Tuesday of June. Only one fee of \$5.00 is required when classification includes both engineer and surveyor. Registrations automatically revoked because of non-payment of renewal fees can be reinstated upon payment of all unpaid annual renewal fees; provided, however, that the Board reserves the right to review the records of delinquent registrants to determine their eligibility and,

if deemed advisable, to require examinations of these applicants. The Board, for reasons it may deem sufficient, may reissue a certificate of registration to any person whose certificate has been revoked.

HISTORY OF SOUTH CAROLINA ACT

The Act providing for the creation of the State Board of Engineering Examiners and the registration of professional engineers and land surveyors was passed by the State Legislature of South Carolina at the 1922 session and was approved by Governor R. A. Cooper on March 22, 1922. The Act, as now amended, was approved by Governor John G. Richards on March 10, 1928.

The members of the Board were appointed and commissioned by Governor Wilson G. Harvey on May 31, 1922, and were as follows: G. E. Shand of Columbia, George Wrigley of Greenville, L. S. LeTellier of Charleston, W. S. Tomlinson of Columbia, and T. Keith Legare of Columbia.

The Board held its first meeting in Columbia on June 17, 1922, and was organized by the election of officers and the appointment of committees. The present officers and members of the Board are given on page four. Mr. Wrigley resigned as a member of the Board and George R. Morgan of Greenville was appointed by the Governor.

Important Changes Proposed in Uniform Registration Law

By T. Keith Legaré

President, National Council of State Boards of Engineering Examiners,
Columbia, S. C.

(Reprint from Engineering News-Record, August 13, 1931)

At a recent conference of twenty representatives of national and state engineering organizations certain amendments to the "Recommended Uniform Registration Law for Professional Engineers and Land Surveyors" were carefully considered and adopted. Some of the most important features of future registration laws will be affected by these recommended changes and, in the writer's opinion, will result in great benefit to both the engineering profession and the public when eventually put into operation. Many provisions of the uniform law cover matters of administration and will necessitate changes in order to conform with certain conditions in the various states, and although it is very desirable to have all of these features included in a uniform law, these are not of as great importance as those that should be considered from a national viewpoint, such as definitions, requirements for registration, exemptions and reciprocity.

Because a satisfactory definition of professional engineering has never been compiled, it was thought best to omit any definition from the first printed draft of the uniform law and to leave it for the courts to decide. However, it has since been suggested that if professional engineering cannot be defined by the profession itself, it cannot be expected that others will be competent to do so. This difficult task is, therefore, being undertaken, and it deserves the interest and cooperation of all real engineers.

High standards for engineers have been discussed at length, and definite action toward this goal was taken by the adoption of the revised requirements for registration. A careful study of the proposed changes in Section 12 of the uniform law (printed in full herewith) will show that every type of competent engineers is provided for and, without placing hardships upon the engineers of today, a higher standard is established for those of the future. It is important that earnest consideration be given to the proper education and training of young engineers in connection with their registration as professional engineers in the future.

"Section 12—General Requirements for Registration: The following shall be considered as minimum evidence satisfactory to the

board that the applicant is qualified for registration as a professional engineer or land surveyor, respectively, to wit:

1. As a professional engineer:

- (a) Graduation from an approved course in engineering of four years or more in a school or college approved by the board as of satisfactory standing; and a specific record of an additional four years or more of active practice in engineering work, of a character satisfactory to the board, indicating that the applicant is competent to be placed in responsible charge of such work; or
- (b) Successfully passing a written, or written and oral, examination designed to show knowledge and skill approximating that attained through graduation from an approved four-year engineering course; and a specific record of eight years or more of active practice in engineering work of a character satisfactory to the board, indicating that the applicant is competent to be placed in responsible charge of such work; or
- (c) A specific record of twelve years or more of lawful active practice in engineering work of a character satisfactory to the board, indicating that the applicant is qualified to design or to supervise construction of engineering works and has had responsible charge of important work for at least five years, and provided applicant is not less than 35 years of age.

2. As a land surveyor:

- (a) Graduation from an approved course in surveying in a school or college approved by the board as of satisfactory standing; and an additional two years or more of active practice in land surveying work of a character satisfactory to the board, indicating that the applicant is competent to be placed in responsible charge of such work; or
- (b) Successfully passing a written, or written and oral, examination in surveying prescribed by the board; and a specific record of six years or more of active practice in land-surveying work of a character satisfactory to the board, indicating that the applicant is competent to be placed in responsible charge of such work; or
- (c) A specific record of ten years or more of lawful active practice in land-surveying work of a character satisfactory to the board, indicating that the applicant has had responsible charge of important work for at least five years and provided applicant is not less than 30 years of age.

Provided that no person shall be eligible for registration as a professional engineer or land surveyor who is not of good character and reputation.

In considering the qualifications of applicants, responsible charge of engineering teaching may be construed as responsible charge of work. The satisfactory completion of each year of an approved course in engineering in a school or college approved by the board as of satisfactory standing, without graduation, shall be considered as equivalent to a year of active practice. Graduation in a course other than engineering from a college or university of recognized standing shall be considered as equivalent to two years of active practice; provided, however, that no applicant shall receive credit for more than four years of active practice because of educational qualifications. Any person having the necessary qualifications prescribed in this act to entitle him to registration shall be eligible for such registration, though he may not be practicing his profession at the time of making his application."

Reciprocal registration between states will be a difficult problem as long as existing laws in the various states have different requirements for registration and while there are states that have no registration laws. With these thoughts in mind and the fact that it may require several years to secure uniformity of registration, the writer recently suggested the creation of a national bureau of engineering registration, which would act as a clearing house in the matter of reciprocity, using as a basis the requirements provided in the uniform law, and developing in connection with registration a system of training for engineering students.

During the past year another state was added to those having engineering registration laws; at least one state amended its registration law to conform with the uniform law as approved last year; and in three states registration acts were passed by their state legislatures but vetoed by the governors because of evident misunderstandings of the importance of the matter. These facts indicate continued interest in engineering registration and the importance of early adoption of a uniform registration law with definite requirements, which can be used as a model for new laws as well as for amending existing laws.

Registration for engineers has passed the argument stage, and the time has arrived for constructive cooperation by all the profession to the end that uniform requirements for registration be set up and that registration laws be made effective in promoting public safety at a minimum of inconvenience to the profession.

A Forward Step in Registration

(Editorial from Engineering News-Record August 13, 1931)

Definite educational requirements for engineers have been proposed for inclusion in the model registration law by a joint committee set up to study needed changes in the law. The present model law sets up no such requirements. Adoption of the changes will mark a long step in advancing the status of engineers.

The lack of definite educational qualifications in the model registration law has been the subject of much adverse comment, yet it is easy to understand how such a condition came about. Some of our state laws have the same defect and for the same reason: The profession contains a large number of distinguished men who gained their training in the school of experience; to have set up educational requirements, it was feared, would have kept such men from being registered as engineers. Further, to set up a law that would keep similar men out of the profession in the future did not seem desirable.

Conditions are changing, however. More exacting demands are being made of engineers, and more fundamental technical training becomes necessary each year. The profession cannot refuse indefinitely to set up basic educational requirements and still expect to maintain a professional status. Without them engineering ultimately will be classed as a vocation. In New York State, where until this year no educational requirements were contained in the license law, officials of the department of education recently proposed to transfer engineers from the professional to the vocational bureau if engineers did not raise their requirements to a par with other professions. That proposal is indicative of a progressive development in the professions and it cannot be ignored.

Engineers like to think of engineering as a learned profession and hold that all engineers should be accorded the same privileges under the law. These two tenets cannot consistently be held by those who hold that no fundamental technical training should be required of engineers. The broader the field held open to all engineers the broader should be the basic training required of them.

Granting, then, that some fundamental education is necessary, the question arises as to how much and of what character. Obviously raising the requirements too high is worse than having none at all, because subterfuge will be used to get by them. For the present at least the requirements should approach as nearly as possible the minimum needed by the average engineer in practice today. This the committee has attempted to provide.

For the applicant who has had an opportunity to attend college the proposed model law requires graduation from an approved

school of engineering; for the man without technical training it requires that he shall "successfully pass a written, or written and oral, examination designed to show knowledge and skill approximating that attained through graduation from an approved four-year engineering course." This sets no insurmountable bar to the self-educated engineer. He may know little of integral calculus or of analytical chemistry; but if he knows how to apply them to his engineering problems, he will have met the law's requirements. Obviously, the just application of any such law rests primarily upon the administrative board. A weak law can be made almost as effective as a strong one under the broad powers given to most licensing boards, but the profession must show its good faith both to the general public and to the aspirant for admission to the profession by setting up definite educational requirements.

Financial Statement

STATEMENT OF RECEIPTS AND DISBURSEMENTS

July 1, 1930 to June 30, 1931

Cash Balance, July 1, 1930	\$ 927.59
Receipts:	
Registration and Renewal Fees	1,319.00
Interest Credited by State Treasurer	7.50
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	\$2,254.09
Disbursements:	
Requisitions on Comptroller General	\$1,393.84
Cash Balance, June 30, 1931	860.25
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	\$2,254.09

ANALYSIS OF DISBURSEMENTS

July 1, 1930 to June 30, 1931

Salaries (Secretary)	\$ 600.00
Per Diem of Board Members	85.00
Clerical Help	240.00
Travel	208.90
Printing	163.94
Advertising	10.50
Insurance	15.00
Office Supplies	20.50
Association Dues	50.00
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	\$1,393.84

*Hon. Albert S. Fant, State Bank Examiner,
Columbia, South Carolina.*

Dear Sir:

In compliance with the law we have audited the accounts of the South Carolina Board of Engineering Examiners covering the period beginning July 1, 1930, and ending June 30, 1931.

The records of the Board are kept in excellent condition and all cash of record is fully accounted for.

Our report is herewith inclosed.

Respectfully submitted,

J. M. SMITH,
State Auditor.

Columbia, S. C., June 30th, 1931.

STATE OF SOUTH CAROLINA, }
County of Charleston. }

I, L. S. LeTellier, Chairman of the State Board of Engineering Examiners, do hereby certify that the financial statement herewith rendered of the State Board of Engineering Examiners is true to my own knowledge, except those matters and facts stated on information and belief, and as to those, I believe it to be true.

L. S. LeTELLIER,

Subscribed and sworn to before me this 10th day of July, 1931.

BARNWELL R. MYERS,
Notary Public for S. C.

STATE OF SOUTH CAROLINA, }
County of Richland. }

I, T. Keith Legaré, Secretary of the State Board of Engineering Examiners, do hereby certify that the financial report herewith rendered is a correct statement of the finances of the State Board of Engineering Examiners for the period specified.

T. KEITH LEGARE.

Subscribed and sworn to before me this 10th day of July, 1931.

WM. A. CRARY, JR.
Notary Public for S. C.

Roster of Registered Engineers and Land Surveyors

Authorized to Practice in the State of South Carolina as of August 30, 1931.

NOTE—IMPORTANT THAT SECRETARY BE NOTIFIED OF CHANGE IN POSITION OR ADDRESS.
Key to abbreviations in classification: C.E., Civil Engineer; E.E., Electrical Engineer; E.M., Mining Engineer; M.E., Mechanical Engineer; L.S., Land Surveyor; N.A., Naval Architect.

Name and Position	Address	Classification	Date	Certificate No.
ADAMS, J. K., Chief Struct. Designer, J. E. Sirrime & Co.	Greenville, S. C.	C.E.	3-22-23	72
ALBERGOTTI, W. M., Mech. Engr., Gibbs Machinery Co.	105 Southwood Road Columbia, S. C.	M.E., E.E.	12-5-22	38
ALLEN, W. M., Engineer and Surveyor.	Dillon, S. C.	C.E., L.S.	9-14-22	6
ANDERSON, JOHN, Prof. Civil Engineering, The Citadel	Charleston, S. C.	C.E.	9-14-22	7
ANDERSON, NOEL S., Asso. Hwy. Engr., U. S. Bureau of Pub. Rds.	614 South Court St. Montgomery, Ala.	C.E., E.M.	3-22-23	246
ARMSTRONG, F. E., Asst. Div. Engr., State Highway Dept.	Orangeburg, S. C.	C.E.	3-22-23	71
AVENT, HUGH P., Struct. Designer, J. E. Sirrime & Co.	Greenville, S. C.	C.E.	12-6-27	318
BAILEY, O. A., Chief Engr., Chicago Bridge & Iron Works.	1305 West 105th St., Chicago, Ill.	C.E.	11-19-23	277
BAKER, H. J., Pres. and Gen. Mgr., Hugh J. Baker & Co.	P. O. Box 892, Indianapolis, Ind.	C.E., M.E.	1-27-27	317

Name and Position	Address	Classification	Date	Certificate No.
BALDWIN, C. M., Civil Engr., Atlantic Coast Lumber Corp.	205 Dozier St., Georgetown, S. C.	C.E., L.S.	9-14-22	9
BALL, THOMAS F., Head, Dept. of Electrical Eng., U. S. C.	University of S. C., Columbia, S. C.	E.E.	7-8-30	358
BALLENGER, C. P., Engr., Bellenger Paving Co.	226 Emaxcee Bldg., Greenville, S. C.	C.E., L.S.	3-22-23	73
BARNWELL, J. W., Jr., Bridge Engr., State Highway Dept.	Columbia, S. C.	C.E., M.E., L.S.	3-22-23	87
BECKHAM, W. K., Maintenance Engr., State Highway Dept.	3214 Monroe St., Columbia, S. C.	C.E., L.S.	9-14-22	10
BEEBE, HARWOOD, Municipal and Civil Engineer.	Montgomery Bldg., Spartanburg, S. C.	C.E., L.S.	3-22-23	88
BELLENGER, HARRY O'B., Asst. City Engineer.	City Hall, Columbia, S. C.	C.E.	3-22-23	86
BISHOP, G. H., Utilities Engineering & Management Co.	P. O. Box 1288, Charlotte, N. C.	C.E., L.S.	12-5-22	65
BISHOP, ROY P., Town Manager.	Salem, Va.	C.E., L.S.	12-5-22	40
BLACKWELDER, C. D., J. E. Sirmine & Co., Engrs.	P. O. Box 226 Greenville, S. C.	C.E., M.E.	6-22-26	306
BOESCH, CLARENCE E., Sou. Rep. Morse Boulger Destructor Co.	P. O. Box 423, Durham, N. C.	C.E., M.E., E.E.	12-5-22	41
BOONE, L. C., County Engineer, Orangeburg County.	Orangeburg, S. C.	C.E.	9-14-22	11

Name and Position	Address	Classification	Certificate Date	No.
BOWEN, S. H., City Engineer and Land Surveyor.	Easley, S. C.	C.E., L.S.	3-22-23	75
BOYKIN, A. B., Land Surveyor.	P. O. Box 53, Camden, S. C.	L.S.	3-22-23	76
BOYKIN, L. W., Jr., Civil Engineer and Land Surveyor.	Aiken, S. C.	C.E., L.S.	7-10-28	324
BOYKIN, T. A., Civil Engineer and Land Surveyor.	3101 First Ave., Columbia, S. C.	C.E., L.S.	3-22-23	77
BRADLEY, HUGHES V., Asst. Div. Engr., State Highway Dept.	Orangeburg, S. C.	C.E., L.S.	3-22-23	82
BRIGGS, W. A., Engr. and Contractor.	Capers Bldg., Greenville, S. C.	C.E., L.S.	3-22-23	83
BROWN, ALEX T., Civil Engineer and Land Surveyor.	7 Market St., Orangeburg, S. C.	C.E., L.S.	3-22-23	79
BUCK, F. E., Res. Engr., State Highway Dept.	P. O. Box 82, Camden, S. C.	C.E., L.S.	12-7-26	313
BROWN, D. P., Mgr. Land Dept., Wilson Cypress Co.	622 River St., Palatka, Fla.	C.E., L.S.	3-22-23	84
BULL, J. L., Jr., Principal Winyah High School.	202 Cannon St., Georgetown, S. C.	C.E., L.S.	7-8-30	357
BURDEN, HENRY S., Civil Engr. and Architect.	67 Broad St., Charleston, S. C.	C.E.	3-22-23	78
BURSLEY, HAROLD B., Asso. Engr., E. S. Draper.	2038 Beverly Drive, Charlotte, N. C.	C.E.	7-8-30	349

Name and Position	Address	Classification	Certificate Date	No.
BUSSEY, H. E., Dist. Engr., General Electric Co.	187 Spring St., N. W. Atlanta, Ga.	M.E., E.E.	4-21-25	293
CAMPBELL, C. D., Asst. Div. Engr., State Highway Dept.	1226 Sumter St., Columbia, S. C.	C.E., L.S.	3-22-23	90
CANNON, O. B., Supt. of Newberry Schools and Land Surveyor.	P. O. Box 366, Newberry, S. C.	L.S.	12-5-22	63
CARROLL, H. L., John McCrady Co.	245 Calhoun St., Charleston, S. C.	L.S.	12-3-29	345
CHAPMAN, ROBT. H., Steam Engr. Dept., J. E. Serrine & Co.	Greenville, S. C.	M.E.	3-22-23	99
CHEWNING, C. C., Engineer and Surveyor.	P. O. Box 234, Summerville, S. C.	C.E., L.S.	12-2-30	362
CHRISTENSEN, ARTHUR O., Registered Surveyor.	Beaufort, S. C.	E.M., L.S.	7-8-30	354
COGGESHALL, J. W., Res. Engr., State Highway Dept.	144 Spring St., Darlington, S. C.	C.E., L.S.	3-22-23	96
CRAWFORD, R. T., Civil Engineer.	711 Prince St., Georgetown, S. C.	C.E.	3-22-23	92
DALTON, R. E., Civil Engr., Dalton & Neves.	125½ S. Main St., Greenville, S. C.	C.E.	12-5-22	64
DAWSON, LOUIS Y., Const. Engr., S. C. Power Co. Pres. Dawson Engineering Co.	P. O. Box 535, Charleston, S. C.	C.E., L.S.	12-5-22	42
DAWSON, L. Y., Jr., Vice-Pres. Dawson Engineering Co.	21 Broad St., Charleston, S. C.	C.E., L.S.	3-22-23	101

Name and Position	Address	Classification	Date	Certificate No.
DICKSON, W. K., Civil Engineer.	119 Brevard Court, Charlotte, N. C.	C.E., L.S.	7-8-30	351
DINGLE, J. H., City Engineer.	City Hall, Charleston, S. C.	C.E., L.S.	9-14-22	14
DUNBAR, THOMAS E., Civil Engr. and Land Surveyor.	901 W. 6th St., Plainsfield, N. J.	C.E., L.S.	3-22-23	104
DuRANT, C. E., Land Surveyor.	Cottageville, S. C.	L.S.	3-22-23	243
ELSON, J. C., Gen. Supt., Simons-Mayrant Co.	506 Peoples Office Bldg., Charleston, S. C.	C.E.	3-22-23	107
EMERSON, C. L., Vice-Pres. and Chief Engr., Robert & Co.	706 Bona-Allen Bldg., Atlanta, Ga.	C.E., E.E., M.E.	7-9-29	335
EMERSON, L. A., Sec. & Treas., Tomlinson Engr. Co.	1226 Sumter St., Columbia, S. C.	C.E., L.S.	9-14-22	15
ERVIN, A. L., Engineer, Adams & Erwin.	P. O. Box 3, Florence, S. C.	C.E., L.S.	3-22-23	105
EVANS, C. D., Engineer.	Drawer 600, Marion, S. C.	C.E., L.S.	3-22-23	106
EVANS, R. M., Civil Engr. and Land Surveyor.	703 W. Main St., Bennettsville, S. C.	C.E., L.S.	3-22-23	108
FILBY, E. L., Chief Engr., State Board of Health.	Jacksonville, Fla.	C.E.	3-22-23	114
FLOOD, HENRY, Jr., Murray & Flood, Engrs.	369 Lexington Ave., New York, N. Y.	C.E., E.E.	7-8-30	350

Name and Position	Address	Classification	Certificate Date	No.
FLOYD, G. T., Civil Engineer and Surveyor.	Manning, S. C.	C.E., L.S.	9-14-22	16
FORD, G. T., Engineering and Land Surveying.	222 Cannon St., Georgetown, S. C.	C.E., L.S.	9-14-22	17
FOSTER, J. W., Civil Engineer.	Box 444 Summerville, S. C.	C.E.	3-22-23	111
FRANK, J. N., Civil Engineer and Surveyor.	Walterboro, S. C.	C.E., L.S.	6-19-23	263
FRY, E. D., Supt. Greater Greenville Sewer Dist. Comm.	P. O. Box 1416 Greenville, S. C.	C.E., L.S.	3-22-23	112
GAILLARD, J. P., Civil Engr. and Timber Estimator.	514 Peoples Bldg., Charleston, S. C.	C.E.	3-22-23	117
GARETY, J. H., Engr., Port Utilities Comm.	1 Vendue Range Charleston, S. C.	C.E.	12-3-29	345
GARRISON, L. CLYDE, Civil Engineer.	State Hwy. Dept., Hardeeville, S. C.	C.E., L.S.	3-22-23	116
GASQUE, B. M., Land Surveyor.	Marion, S. C.	L.S.	3-22-23	236
GIBSON, J. E., Mgr. and Engr., Water Dept., Com. Pub. Wks.	14 George St., Charleston, S. C.	C.E.	3-22-23	244
GOURDIN, P. G., Civil Engineer and Surveyor.	Kingtree, S. C.	C.E., L.S.	9-14-22	18
GREEN, L. LOUIS, Jr., Charleston Dry Dock & Machinery Co.	928 Rutledge Ave., Charleston, S. C.	N.A.	7-14-31	368

Name and Position	Address	Classification	Certificate Date	No.
GREENE, J. C., U. S. Engineer's Office.	807 McCall Bldg., Memphis, Tenn.	C.E., L.S.	9-14-22	19
GUNTER, GEO. C., Land Surveyor.	Seivern, S. C.	L.S.	12-5-22	45
HAMBY, THEOD. C., Lexington Water Power Co.	Columbia, S. C.	C.E., L.S.	12-5-22	46
HAMPTON, AMBROSE G., Res. Engineer, S. C. State Highway Dept.	P. O. Box 385 Beaufort, S. C.	C.E., L.S.	3-22-23	132
HARDESTY, SHORTRIDGE, Waddell & Hardesty.	150 Broadway, New York, N. Y.	C.E.	12-4-28	330
HARRIS, W. E., Asst. Div. Engr., S. C. State Highway Dept.	1226 Sumter St., Columbia, S. C.	C.E., L.S.	3-22-23	123
HAWES, EDWARD, City Engineer.	Orangeburg, S. C.	C.E., L.S.	3-22-23	136
HENRY, J. B., Pres., Henry Construction Co.	P. O. Box 1000 Greenville, S. C.	C.E.	3-22-23	140
HESTER, W. A., Land Surveyor.	Route 1, Daucusville, S. C.	L.S.	3-22-23	124
HICKLIN, W. J., Capitol Concrete Co.	623 Pearle Court, South Jacksonville, Fla.	C.E.	3-22-23	121
HILL, GEORGE, Mechanical and Electrical Engineer.	Wellford, S. C.	M.E., E.E.	6-19-23	266
HILL, BURROW, Maintenance Supv., S. C. State Hwy. Dept.	Greenville, S. C.	C.E.	3-22-23	134

Name and Position	Address	Classification	Certificate Date	No.
HIPP, J. C., Engr., Lockwood-Greene Engrs., Inc.	Montgomery Bldg., Spartanburg, S. C.	C.E., L.S.	11-15-29	341
HOLMAN, A. E., Chief Engr., Gossett's Group of Mills.	Anderson, S. C.	E.E., M.E.	3-22-23	120
HOLMES, Wm. F., Walter Kidde Constructors.	140 Cedar St., New York, N. Y.	C.E.	3-22-23	133
HOLT, D. T., Land Surveyor.	Wateree, S. C.	L.S.	3-22-23	126
HOWE, G. M., Asst. City Engineer.	P. O. Box 807, Charleston, S. C.	C.E., L.S.	9-14-22	20
HULICK, D. A., City Engineer.	City Hall, Greenville, S. C.	C.E., L.S.	3-22-23	130
HUMBERT, H. B., County Engineer.	557 Gadsden Court, Spartanburg, S. C.	C.E., L.S.	12-5-22	47
HUNTINGTON, R. S., Huntington & Guerry, Inc.,	Greenville, S. C.	E.E.	6-22-26	304
JAMES, R. T., Asst. City Engineer.	City Hall, Charlotte, N. C.	C.E., L.S.	11-19-23	278
JERVEY, E. D., Engr., Sanitary and Drainage Commission.	39 Broad St., Charleston, S. C.	C.E.	3-22-23	144
JOHN, D. M., Civil Engineer.	P. O. Box 168, Lancaster, S. C.	C.E., L.S.	12-3-29	254
JOHNSON, CECIL, Res. Engr., S. C. State Highway Dept.	Columbia, S. C.	C.E.	3-22-23	141

Name and Position	Address	Classification	Certificate	
			Date	No.
JOHNSON, J. M., Johnson & Roberts, Engrs. and Surveyors.	Marion, S. C.	C.E., L.S.	3-22-23	146
JONES, HOWELL C., Div. Engr., State Highway Dept.	Orangeburg, S. C.	C.E., L.S.	3-22-23	143
JORDAN, T. M., Res. Engr., S. C. State Highway Dept.	Conway, S. C.	C.E.	7-9-29	334
KEELS, JOSEPH, Engr., Tomlinson Engineering Co.	1226 Sumter St., Columbia, S. C.	C.E., L.S.	12-5-22	49
KEIS, F. J., Consulting Engineer.	P. O. Box 1917, Fort Lauderdale, Fla.	C.E.	12-2-30	360
KERR, LORAN A., Mgr. and Treas., Eureka Land Co.	P. O. Box 44, Cheraw, S. C.	L.S.	3-22-23	149
KESTER, H. H., Supt. of Supply, State Highway Dept.	524 Wilson Ave., Columbia, S. C.	C.E.	3-22-23	152
KNOWLES, MORRIS, Consulting Engineer.	507 Westinghouse Bldg., Pittsburgh, Pa.	C.E., M.E.	7-14-31	370
KOLLOCK, J. T., Forest Engineer.	4 Broad St., Charleston, S. C.	C.E.	3-22-23	150
LaBRUCE, GEO. H., Asst. Engr., Sanitary and Drainage Comm.	13 Savage St., Charleston, S. C.	C.E., L.S.	3-22-23	156
LaBRUCE, J. B., Supt. of Const., Simons-Mayrant Co.	131 Ashley Ave., Charleston, S. C.	C.E., M.E., L.S.	3-22-23	157
LaMOTTE, FRANK W., Engr., State Highway Dept.	McClanville, S. C.	C.E., L.S.	7-10-28	322

Name and Position	Address	Classification	Date	Certificate No.
LEE, F. W., National Cement Co.	P. O. Box 146, Columbia, S. C.	C.E., L.S.	9-14-22	23
LEE, RANDOLPH B., Civil Engineer.	P. O. Box 128, Summerville, S. C.	C.E., L.S.	3-22-23	162
LEGARÉ, A. E., State Sanitary Engr., State Board of Health.	State Office Bldg., Columbia, S. C.	C.E., L.S.	6-23-25	296
LEGARÉ, T. KEITH, Asst. Locating Engr., State Highway Dept. Sec'y. State Bd. Engineering Examiners. Pres. Natl. Council State Bds. Eng. Exam's.	P. O. Box 264, 1226 Sumter St., Columbia, S. C.	C.E., L.S.	9-14-22	3
LeTELLIER, L. S., Head, Dept. of Engineering, The Citadel. Member, State Bd. of Engineering Examiners.	The Citadel, Charleston, S. C.	C.E.	9-14-22	2
LEVER, S. R., Res. Engr., Parker Laboratories.	P. O. Box 1491, Knoxville, Tenn.	C.E.	6-19-23	267
LEWIS, W. S., Civil Engr., State Highway Commission.	305 Bath St., Clifton Forge, Va.	C.E.	3-22-23	160
LINDER, THOS. T., Registered Surveyor.	Route 1, Spartanburg, S. C.	L.S.	3-22-23	154
LINDSAY, Wm., Jr., Engr., J. E. Sirrine & Co.	Greenville, S. C.	C.E., L.S.	3-22-23	158
LINLEY, B. R., Engr., State Highway Dept.	Columbia, S. C.	C.E., L.S.	3-22-23	153
MAHAFFEY, L. M., Surveyor and County Supt. of Education.	Anderson, S. C.	L.S.	3-22-23	169

Name and Position	Address	Classification	Certificate Date	No.
MANHEIM, C. M., Asst. Engr., Johnson & Roberts.	Marion, S. C.	C.E., L.S.	3-22-23	260
MARSH, M. R., Architect and Engineer.	509 Builders Bldg., Charlotte, N. C.	C.E.	3-25-25	291
MAULDIN, EARLE, Engr., The Park Mfg. Co.	P. O. Box 423, Charlotte, N. C.	C.E., M.E.	3-22-23	251
MAY, L. A., Engr., Northeastern Construction Co.	812 Nissen Bldg., Winston-Salem, N. C.	C.E.	3-22-23	165
MAYES, JAS. B., Maintenance Supv., State Highway Dept.	Florence, S. C.	C.E.	9-14-22	25
MAYRANT, W. R., Gen. Mgr., Simons-Mayrant Co.	506 Peoples Office Bldg., Charleston, S. C.	C.E.	3-22-23	168
MICHAEL, F. C., Pres. and Elect. Engr., Michael & Bivens, Inc.	P. O. Drawer 434, Gastonia, N. C.	E.E.	3-25-25	292
MILLARD, C. H., Civil Engr. and Surveyor.	P. O. Box 170, Greenville, S. C.	C.E., L.S.	6-19-23	274
MITCHELL, W. L., Land Surveyor.	Honea Path, S. C.	L.S.	9-14-22	26
MOBLEY, H. C., Asphalt Dept., Standard Oil Co.	20 Centre St., Orangeburg, S. C.	C.E., L.S.	3-22-23	171
MOORE, H. A., Surveyor with J. T. Kollock.	4 Broad St., Charleston, S. C.	L.S.	7-8-30	359
MOORE, THOS. V., Raymond Concrete Pile Co.	1435 Gorsuch Ave., Baltimore, Md.	C.E.	3-22-23	164

Name and Position	Address	Classification	Date	Certificate No.
MOOREFIELD, CHAS. H., State Highway Engineer.	Columbia, S. C.	C.E.	6-22-26	309
MORGAN, G. R., Sales Engineer, Chm., State Bd. of Engineering Examiners.	P. O. Box 563, Greenville, S. C.	E.E., M.E.	12-7-26	312
MORRISON, H. T., Registered Surveyor.	McClellanville, S. C.	L.S.	3-22-23	166
MOSS, S. DIBBLE, Surveyor, Orangeburg Insurance Agency.	32 N. Church St., Orangeburg, S. C.	L.S.	7-10-28	327
MUCKENFUSS, A. A., Maint. Supv., S. C. State Highway Dept.	P. O. Box 491, Aiken, S. C.	L.S.	3-22-23	185
MURRAY, F. H., Consulting Engineer.	422 N. Main St., Sumter, S. C.	C.E., L.S.	12-5-22	52
MCDONNELL, R. E., Burns & McDonnell.	406 Interstate Bldg., Kansas City, Missouri	C.E.	12-2-30	361
McCRADY, JOHN, Consl. Civil Engineer.	P. O. Box 912, Charleston, S. C.	C.E.	3-22-23	173
McLELLAN, R. F., Cuttino & McLellan Realty Co.	Sumter, S. C.	C.E., L.S.	9-14-22	28
McLURE, J. H., City Engr. and Treasurer.	City Hall, Chester, S. C.	C.E., L.S., E.M.	3-22-23	252
McMILLAN, C. R., Div. Engr., State Highway Dept.	1226 Sumter St., Columbia, S. C.	C.E.	6-19-23	271
McPHERSON, JNO. A., Civil Engr., Building and Plan Dept. J. E. Sirmine & Co.	Greenville, S. C.	C.E.	3-22-23	172

Name and Position	Address	Classification	Date	Certificate No.
NEEDLE, JOE, Asst. City Engineer.	City Hall, Charleston, S. C.	C.E., L.S.	9-14-22	29
NEVES, W. D., Dalton & Neves, Civil Engineers.	Cleveland Bldg., Greenville, S. C.	C.E., L.S.	3-22-23	176
NIMITZ, ARTHUR E., Engineer and Architect.	Box 1562, Station A., Chattanooga, Tenn.	C.E.	12-5-22	53
O'DELL, T. W., Civil Engr., Harwood Beebe Co.	Montgomery Bldg., Spartanburg, S. C.	C.E., L.S.	3-22-23	177
OLSEN, WM. C., Consulting Engineer.	405 Bldg. & Loan Bldg., Raleigh, N. C.	M.E., E.E.	12-7-26	310
PARKER, J. L., Consulting Engineer.	602 Peoples Bank Bldg., Charleston, S. C.	C.E.	3-22-23	188
PATTERSON, A. H., County Engineer.	Anderson, S. C.	C.E., L.S.	3-22-23	186
PEARSON, J. F., Supt. Orangeburg Water & Lighting Plant.	52 S. Middleton St., Orangeburg, S. C.	E.E., M.E.	3-22-23	182
PIATT, Wm. M., Consulting Engineer.	400-1 First Nat. Bank Bldg., Durham, N. C.	C.E., E.E.	12-5-22	55
PICKELL, HEYWARD MAHON, Engr., Tomlinson Eng. Co.	1226 Sumter St., Columbia, S. C.	C.E., L.S.	7-8-30	356
POE, HARRY T., Jr., Pres. Poe Construction Co., Inc.	Capers Bldg., Greenville, S. C.	C.E., M.E., L.S.	12-5-22	56
PORTER, R. D., Engineer, J. E. Sirrinc & Co.	Greenville, S. C.	M.E., C.E.	3-22-23	250

Name and Position		Address	Classification	Certificate Date	Certificate No.
PORTER, R. M., Civil Engineer.		Hook Building, Columbia, S. C.	C.E., L.S.	3-22-23	245
POSTELL, JAS. A., Land Surveyor.		R. F. D., Ravenels, S. C.	L.S.	9-14-22	31
POWERS, R. M., Civil Engr. Dept., Beaver County.		1248 Third St., Beaver, Pa.	C.E., L.S.	3-22-23	180
PRETTYMAN, C. F., Civil Engineer and Land Surveyor.		P. O. Box 225, Summerville, S. C.	C.E., L.S.	3-22-23	187
QUATTLEBAUM, McQUEEN, Quattlebaum Ice & Fuel Co.		Johnston, S. C.	C.E., L.S., M.E.	3-22-23	249
RAMBO, S. B., City Engineer.		City Hall, Greenwood, S. C.	C.E.	12-5-22	57
REEVES, F. M., Asst. Locating Engr., State Highway Dept.		Columbia, S. C.	C.E., L.S.	3-22-23	196
RHETT, RICHARD C., Land Surveyor.		29 Broad St., Charleston, S. C.	L.S.	6-22-26	305
RICE, B. P., County Engineer.		County Court House, Darlington, S. C.	C.E.	7-8-30	353
RICHARDSON, JOHN, Pres. & Mgr., Richardson Construction Co.		P. O. Box 694, Charleston, S. C.	C.E., L.S.	3-22-23	190
ROBERTS, C. P., Johnson & Roberts, Consulting Engineers.		Marion, S. C.	C.E., L.S.	3-22-23	239
ROBERTS, J. F., Div. Office Engr., State Highway Dept.		P. O. Box 531, Orangeburg, S. C.	C.E.	3-22-23	194

Name and Position	Address	Classification	Certificate Date	No.
ROBINSON, C. CUSTER, Member of Firm, C. M. Robinson, Architects.	Times-Dispatch Bldg., Richmond, Va.	M.E.	12-5-22	58
RODGERS, Wm. SINCLAIR, Dist. Supt., Broad River Power Co.	931 Woodrow St., Columbia, S. C.	E.E., M.E.	3-22-23	191
ROWE, WALTER E., Dean, School of Engineering Univ. of S. C.	Columbia, S. C.	C.E.	12-1-25	298
RYAN, G. D., Ryan Engineering Co.	Arcade Bldg., Columbia, S. C.	C.E., L.S.	3-22-23	198
SAMS, JAMES H., Jr., Prof. Mechanical & Elec. Engr., Clemson Col.	P. O. Box 93, Clemson College, S. C.	E.E., M.E.	12-3-29	347
SCRUGGS, E. L., Engineer., Harrison-Wright Co.	312 Kennedy Bldg., Charlotte, N. C.	C.E.	1-15-28	321
SCRUGGS, J. Y., County Engineer.	P. O. Box 200, Rock Hill, S. C.	C.E.	3-22-23	241
SECRET, T. W., Land Surveyor.	P. O. Box 121, Waxhaw, N. C.	L.S.	3-22-23	208
SHAND, G. E., Pres. Shand Engineering & Sales Co. Member, State Bd. of Engineering Examiners.	705 Lady St., Columbia, S. C.	C.E., M.E.	9-14-22	1
SHAW, H. W., Surveying and Drainage.	Route 2, Bishopville, S. C.	C.E., L.S.	6-17-24	284
SHEARER, Wm. H., Civil Engineer and Surveyor.	506 Marshall Ave., Anderson, S. C.	C.E., L.S.	9-14-22	35
SHEPPARD, G. J., Agent, Atlantic Land & Improvement Co.	P. O. Box 816, Sebring, Fla.	C.E.	6-17-24	283

Name and Position	Address	Classification	Certificate Date	No.
SHULER, E. H., Asst. Prof. of Math., Wofford College.	126 E. Cleveland St., Spartanburg, S. C.	M.E., E.E., L.S.	3-22-23	209
SINGLETARY, J. A., Land Surveyor.	Cross, S. C.	L.S.	3-22-23	200
SIRRINE, J. E., J. E. Sirrinc & Co., Engineers.	South Main St., Greenville, S. C.	C.E., L.S.	12-5-22	60
SMITH, ELROY G., Consulting Engineer.	Suite 313, Herald Bldg., Augusta, Ga.	C.E., L.S.	7-10-28	326
SMITH, RAYMOND B., Land Surveyor.	McClellanville, S. C.	L.S.	3-22-23	214
SMITH, T. J., Land Surveyor.	238 N. Purdy St., Sumter, S. C.	L.S.	3-22-23	211
SMYLY, J. W., Land Surveyor.	Ruffin, S. C.	L.S.	3-22-23	202
SPELLMAN, J. F., Draftsman Engr., J. E. Sirrinc & Co., Engrs.	P. O. Box 1123, Greenville, S. C.	C.E., M.E.	3-22-23	204
STEVENSON, JAMES A., Asst. Prof., Civil Engineering.	Clemson College, S. C.	C.E., L.S.	12-2-30	363
STRIBLING, H., Civil Engineer and Surveyor.	102½ Kennedy Place, Spartanburg, S. C.	C.E., L.S.	3-22-23	210
STONE, A. T. S., Land Surveyor.	129 Tradd St., Charleston, S. C.	L.S.	7-9-29	337
SUDLOW, HARRY, City Engr. and Consol. Engr., S. C. Power Co.	P. O. Box 445, Aiken, S. C.	C.E., E.E.	7-9-29	332

Name and Position	Address	Classification	Certificate Date	No.
SULLIVAN, D. H., Civil Engineer.	Lexington, S. C.	C.E., L.S.	3-22-23	205
SULLIVAN, J. F., Commissioner of City Planning.	City Hall, New York, N. Y.	C.E.	1-27-27	318
SUMWALT, ROBERT L., Prof. Civil Engineering.	University of S. C., Columbia, S. C.	C.E.	7-14-31	367
SWEENEY, F. R., Consl. Engr., F. R. Sweeney & Co.	Anderson, S. C.	C.E.	3-22-23	247
THOMSON, B. M., Assistant City Engineer.	2-A Wesson Ave., Charleston, S. C.	C.E., L.S.	9-14-22	34
TINDALL, W. P., Poe Piping and Heating Co.	108 S. Main St., Greenville, S. C.	M.E.	12-3-29	344
TOMLINSON, W. S., City Engineer. Pres. Tomlinson Engineering Co. Vice-Chm., Board of Engineering Examiners.	City Hall, Columbia, S. C.	C.E., L.S.	9-14-22	4
TOWLES, V. E., U. S. Bureau of Public Roads.	State Office Bldg., Columbia, S. C.	C.E., L.S.	12-13-26	315
WADE, WILLIAM M., Dist. Mgr., Allied Engrs., Inc.	276 King St., Charleston, S. C.	C.E.	7-8-30	355
WAGENER, C. F., Chief Engr., J. B. McCrary Engineering Co.	1408 Cit. & Sou. Bk. Bldg., Atlanta, Ga.	C.E., M.E., E.E., L.S.	3-22-23	230
WALLACE, W. G., Assistant Lighthouse Engineer.	9 Ladson St., Charleston, S. C.	C.E.	6-19-23	273

Name and Position	Address	Classification	Certificate	
			Date	No.
WANNAMAKER, H. L., Supt. of Const., Simons-Mayrant Co.	5 Halsey St., Charleston, S. C.	C.E.	3-22-23	248
WANNAMAKER, W. W., Jr., Wannamaker & Wells, Inc.	P. O. Box 516, Orangeburg, S. C.	C.E., L.S.	12-1-25	301
WELLWOOD, ARTHUR R., S. C. Power Rate Investigating Com.	307 Central Union Bldg., Columbia, S. C.	C.E., E.E., L.S.	7-14-31	369
WESTON, JULIAN B., Asst. Engr., Sanitary and Drainage Comm.	39 Broad St., Charleston, S. C.	C.E., L.S.	3-22-23	222
WESTON, WILLIAM C., Field Engr., State Board of Health.	State Office Bldg., Columbia, S. C.	C.E.	3-22-23	225
WHITE, GILBERT C., Consl. Engr. and Pres., Gilbert C. White Co.	406½ West Main St., Durham, N. C.	C.E.	12-5-22	67
WHITE, GUY H., Supt. of Water Plant, City of Columbia.	Filtration Plant, Columbia, S. C.	M.E.	9-14-22	37
WHITE, GEO. W., Harwood Beebe Co., Consl. Engrs.	Montgomery Bldg., Spartanburg, S. C.	C.E., L.S.	3-22-23	232
WHITE, HIRAM H., Miller & White, Engineers and Surveyors.	P. O. Box 518, Rock Hill, S. C.	C.E., L.S.	3-22-23	228
WHITFIELD, W. A., Dist. Office Engr., N. C. State Hwy. Comm.	P. O. Box 826, Asheville, N. C.	C. E.	12-5-22	66
WIEDEMAN, H. F., Consl. Engr., Weideman & Singleton.	1404 Candler Bldg., Atlanta, Ga.	C.E.	6-23-25	294
WIER, JACK, County Engineer.	Court House, Greenville, S. C.	C.E.	3-22-23	224

Name and Position	Address	Classification	Certificate Date	No.
WILLIAMSON, J. S., Asst. State Highway Engineer.	State Hwy. Dept., Columbia, S. C.	C.E.	3-22-23	229
WILLSON, H. S., Virginia Engineering Co.	P. O. Box 966, Newport News, Va.	M.E.	7-12-27	319
WILSON, T. E., Civil Engineer.	Darlington, S. C.	C.E., L.S.	12-5-22	62
WINTER, JAMES S., Land Surveyor, Winter & Holland Co.	Anderson, S. C.	L.S.	3-22-23	227
WRIGLEY, GEORGE, Head, Elec. Dept., J. E. Serrine & Co.	Greenville, S. C.	M.E., E.E.	9-14-22	5
WYSE, F. C., Civil Engineer.	161 Avant St., Spartanburg, S. C.	C.E., L.S.	7-10-28	325

Deceased: B. R. Cowherd, Jr.; T. H. Hardin, Paul H. Norcross, H. C. Hightower, Arthur G. Boozer, Nisbet Wingfield, Adlai Osborne, H. G. Jones, B. G. Langford, H. S. Jaudon, B. M. English, S. R. Flowers, J. L. Ludlow.

South Carolina Registration Law

Approved March 22, 1922: Amended March 10, 1928.

An Act Providing for the Creation and Establishment of a State Board of Engineering Examiners, Granting Certain Powers to and Prescribing the Duties of Said Board; Providing for the Examination and Registration of Land Surveyors and Professional Engineers, Regulating the Practice of Engineering in the State of South Carolina and Providing Penalties for the Violation of this Act.

Section 1. That in order to safeguard life, health and property, any person practicing or offering to practice professional engineering or land surveying hereafter in this State shall be required to submit evidence that he or she is qualified so to practice, and shall be registered as hereafter provided; and that it shall be unlawful for any person to practice or to offer to practice professional engineering or land surveying in this State unless such person, has been duly registered as a professional engineer or land surveyor, or has been exempted from registration under the provisions of this Act. Provided, That the provisions of this Act shall not apply to land surveyors unless they desire to hold themselves out as "registered land surveyors."

Section 2. Under no circumstances shall the total amount of warrants issued by the State Auditor in payment of the expenses and compensations provided in this Act exceed the amount of the examination and registration fees collected as herein provided.

Section 3. As used in this Act:

(a) The "Board" means the State Board of Engineering Examiners provided for by this Act.

(b) "Surveyors." Any person who shall be engaged in locating, establishing or relocating any land boundary line between two or more land owners, or who shall be engaged in locating any United States Government, State, County, Township or Municipal land survey lines, or the lines of any public streets or roads, is hereby declared to be a Surveyor and as practicing land surveying within the provisions of this Act.

(c) Any person who shall be engaged in the designing or supervising of the construction, enlargement or alteration of any engineering structure, or utilities, as hereafter defined, or any part thereof for others and to be constructed by persons other than himself, shall be regarded as practicing Professional Engineering within the meaning of this Act. The practicing of professional engineering within the meaning of this Act embraces the design and the supervision of the construction of public and private utilities, such as railroads, bridges, highways, roads, canals, harbors, river improvements, lighthouses, wet docks, dry docks, ships, barges, dredges, cranes, floating docks and other floating property, the design and the supervision of the construction of steam engines, turbines, internal combustion engines and other mechanical structures, electrical machinery and apparatus, and of works for the development, transmission or application of power, the designing and the supervision of mining operations and of processes and apparatus for carrying out such operations, and the design and supervision of the construction of municipal works, irrigation works, water supply works, sewerage works, drainage works, industrial works, sanitary works, hydraulic works and structural works and of other public or private utilities or works which require for their design or supervision of the construction such experience and technical knowledge as are required in Section 8 of this Act. The execution as a contractor of works designed by a profes-

sional engineer or the supervision of the construction of such work as a foreman or superintendent for such a contractor shall not be deemed to be the practice of professional engineering within the meaning of this Act.

(d) "Engineer" means any person who practices professional engineering.

Section 4. There is hereby created a State Board of Engineering Examiners consisting of five members to be appointed by the Governor within sixty (60) days after the passage of this Act. Three members of the Board shall be civil engineers, one a mining or electrical engineer, and the other one a mechanical engineer or naval architect. Of the members of the Board first appointed hereunder two shall hold office for a term of two years, two shall hold office for a term of three years, and one shall hold office for a term of four years, each term of office ending the first day of July. Upon expiration of each such term the term of office of each member thereafter appointed shall be four years. Each member shall hold over the expiration of his term until his successor shall be duly appointed and qualified. The Governor may remove any member of the Board for misconduct, incapacity or neglect of duty. Vacancies in the Board caused by death, resignation or removal from office shall be filled by appointment by the Governor for the unexpired term. Each member of the Board shall be a professional engineer of at least ten years active experience and of recognized good standing in his profession and shall be at least thirty-five years of age and shall have been a resident of this State for at least three years immediately preceding his appointment. Each member of said Board, except the members first appointed hereunder, shall also be registered as a professional engineer under this Act. The members of the Board shall receive as compensation, the sum of ten (\$10.00) dollars per day for the time actually spent in traveling to and from and in attending sessions of the Board and its committees, and each member shall receive all necessary expenses incident to the performance of his duties under this Act.

Section 5. Every member of the Board shall receive a certificate of his appointment from the Governor and before beginning his term of office shall file with the SECRETARY OF STATE his written oath for the faithful discharge of his official duty. Each member of the Board first appointed hereunder shall receive a certificate of registration under this Act from said Board. The Board shall adopt and have an official seal. The Board may make all by-laws and rules not inconsistent with law needed in performing its duties; but no by-laws or rule by which more than a majority vote is required for any specified action by the Board shall be amended, suspended or repealed by a smaller vote than that required for action thereunder.

Section 6. The Board shall annually elect from its members a chairman, a vice-chairman and a secretary. The secretary shall give a surety bond in the sum of three (\$3,000.00) dollars conditioned for the faithful performance of his duties and for the accounting and paying over all moneys received by him. The premium on said bond shall be paid from the fund of the Board hereinafter provided. The secretary shall keep on file a record of all certificates of registration granted. He shall receive and account for all fees derived from the operation of this Act, and shall pay to the State Treasurer, who shall keep such moneys in a separate fund, to be known as the Fund of the Board of Engineering Examiners, continued from year to year to be drawn against only for the expenses of the Board. Warrants for the payment of the expenses incurred shall be issued by the Comptroller General of the State and paid by the State Treasurer upon presentation of vouchers regularly drawn by the chairman and the secretary of the Board, *Provided*, however, that at no time shall the total amount of warrants exceed the total amount of fees paid under this Act. On or before the 30th day of June in each year the Board shall submit to the Governor a written report of its transactions for the preceding year, and shall file with the SECRETARY OF STATE a copy of said

report, together with a complete statement of the receipts and expenditures of the Board, attested by the affidavits of the chairman and secretary, and a complete list of those registered under this Act, with their addresses and the dates of their certificates of registration. The Board shall hold at least two regular meetings each year, special meetings may be called in such manner as the by-laws of the Board may provide. Notice of all meetings shall be given in such manner as the by-laws of the Board may provide. At all meetings a majority of the Board shall constitute a quorum.

Section 7. The Board shall have power to employ, during its pleasure such clerks and other employees and to rent such offices as may be necessary for the proper performance by it of its duties as in this Act prescribed.

Section 8. The Board shall admit to examination any candidate who pays a fee of fifteen (\$15.00) dollars and submits evidence verified by oath and satisfactory to the Board that he

- (a) Is more than twenty-one (21) years of age.
- (b) Is of good character, and
- (c) Has been engaged in the practice of professional engineering or land surveying for at least four (4) years, and during that period has had charge of said work, as principal or assistant, for at least one year.
- (d) Or, in lieu of requirement (c) specified above, is a graduate from an engineering school.
- (e) Provided, however, That no person shall be eligible for registration who is not a citizen of the United States of America unless he has filed his first papers for naturalization; and then he shall be required to have completed his naturalization within three years from the date he is granted certificate of registration, or he will be deprived from further practicing his profession or calling as set forth in this Act.

Section 9. Examinations for registration shall be held at regular or special meetings of the Board at such times and at such places within the State in each year as the Board shall determine. The scope of the examinations and the methods of procedure shall be prescribed by the Board with special reference to the applicant's ability to design and supervise engineering works which shall insure the safety of life and property. Examinations shall be held to determine the qualifications of applicants for registration separately in surveying or in any one of the branches of professional engineering, embracing civil, mechanical and electrical, mining or naval architecture. The examination may be either oral or partly written. As soon as practicable after the close of each examination the members of the Board who shall have conducted such examination shall make and sign and file with the secretary a certificate stating the action of the Board upon the application of each candidate, whereupon the Secretary of the Board shall notify each candidate of the result of his examination. A candidate failing on examination, may, after an interval of not less than one year, be examined again.

Section 10. In the case of examination as professional engineer, upon receipt of an additional fee of ten (\$10.00) dollars, the Board shall issue to any applicant who has been reported to have passed the examination conducted by the Board, a certificate of registration as a professional engineer in the branch or branches in which he is qualified, signed by the chairman and secretary of the Board under the seal of the Board, whereupon such applicant shall be authorized to practice professional engineering as defined by this Act. In case of examination as land surveyor the Board shall issue to any applicant who has been reported to have passed the examination conducted by the Board, a certificate of registration as a land surveyor, signed by the chairman and secretary of the Board under the seal of the Board, whereupon such applicant shall be authorized to practice land surveying as defined by this Act. A cer-

tificate of registration as a professional engineer shall not carry with it the right to practice land surveying unless specially permitted by said certificate, which permission shall be granted by the Board without additional fee in the case of any applicant duly qualified as prescribed by the rules of the Board.

Section 11. At any time within one year after this Act has become effective, upon due application thereof and the payment of a fee of twenty-five (\$25.00) dollars the Board shall issue a certificate of registration as provided by Section 10, to any professional engineer or land surveyor who shall submit evidence under oath and satisfactory to the Board that he is of good character, has been a resident of the State of South Carolina for at least one year immediately preceding the date of his application and has practiced professional engineering or land surveying preceding the date of his application, and during that period has had charge of engineering work or land surveying as principal or assistant. After this Act shall have been in effect one year, the Board shall issue certificates of registration only as provided in Sections 5, 10 and 11 hereof.

Section 12. The Board shall, from time to time, examine the requirements for the registration of professional engineers in other States, territories and countries and shall record those in which, in the judgment of the Board, standards not lower than those provided by this Act are maintained. The Secretary of the Board, upon the presentation to him by any person of satisfactory evidence that such person holds a certificate of registration issued to such person by proper authority in any such State, territory, or country as recorded and upon receipt by him of a fee of twenty-five (\$25.00) dollars shall issue to such person a certificate of registration under this Act, signed by the Chairman and Secretary under the seal of the Board whereupon the person to whom such certificate is issued shall be entitled to all the rights and privileges conferred by a certificate issued after examination by the Board.

Section 13. It shall be the duty of the Board to inquire into the identity of any person practicing or claiming to be a land surveyor, or professional engineer. The Board shall have the power by four-fifths vote to revoke the certificate of any professional engineer or land surveyor registered hereunder, found guilty of any fraud, deceit or gross incompetency in his practice, or guilty of any fraud or deceit in obtaining his certificate, or in case he is found by the same vote to be incompetent. Proceedings for the revocation of license of registration shall be begun by filing with the Secretary of the Board written charges against the accused. The Board shall designate a time and place for a hearing and shall notify the accused of this action and furnish him a copy of all charges at least ten days prior to the date of the hearing. The accused shall have the right to appear personally or by counsel, to cross examine witness or to produce witnesses in his defense. The Board may summons witnesses and administer oaths. It shall be the duty of the Board to prosecute any persons violating the provisions of this Act.

Section 14. Every certified professional engineer so registered under this Act who desires to continue the practice of his profession shall annually pay to the Secretary of the Board a fee of five (\$5.00) dollars on or before a date to be fixed by the Board, for which fee a renewal certificate of registration for the current year shall be issued.

Section 14-A. Every land surveyor so registered under this Act who desires to continue the practice of his profession shall annually pay to the Secretary of the Board a fee of three (\$3.00) dollars on or before a date to be fixed by the Board, for which fee a renewal certificate of registration for the current year shall be issued.

Section 15. An unrevoked certificate and endorsement of registry made as provided in this Act shall be presumptive evidence in all courts and places that the person named therein is legally registered.

Section 16. The provisions of this Act shall apply to every corporation, domestic or foreign, engaged in the business of professional engineering within the State of South Carolina, except that certificate of registration issued hereunder shall be held by one or more of its officers or employees instead of by such corporation.

Section 17. The Board each year shall certify and publish a complete list of registered professional engineers and land surveyors with their business address.

Section 17-A. Nothing contained in this Act shall apply to land surveyors who shall have been engaged in the active practice of their profession as land surveyors as long as five years prior to the date hereof, but such surveyors may obtain registration upon voluntary compliance with the terms of this Act.

Section 18. Any person who, not being then legally authorized to practice professional engineering or land surveying within the State according to the provisions of this Act and so registered according to law, shall practice, or attempt or advertise to practice, or hold himself out as authorized to practice professional engineering or land surveying or shall use in connection with his name, or otherwise assume, use or advertise any title or designation tending to convey the impression that he is a professional engineer or registered land surveyor, shall be deemed guilty of a misdemeanor and shall for each offense of which he is convicted be punished by a fine not to exceed five hundred (\$500.00) dollars or by imprisonment not to exceed three months, or both such fine and imprisonment.

Section 19. This Act shall not apply to military engineering nor to any professional engineer working for the United States Government, nor to employees of railroads nor inter-state public service corporations; nor to any professional engineer employed as an advisor or an assistant to a professional engineer registered under this Act; nor to any professional engineer coming from without this State and employed therein until a reasonable time, as prescribed by the rules of the Board, shall have elapsed to permit the registration of such person under this Act, *Provided*, That before practicing within this State he shall have applied for the issuance to him of a certificate of registration and shall have paid the fee prescribed in this Act.

Section 20. This Act shall not apply to any architect registered by the State of South Carolina under the provisions of this Act creating the State Board of Architecture.

Section 21. Persons licensed to practice professional engineering in this State under this Act shall be exempt from the provisions of any Act providing for the licensing of architects or regulating the practice of architecture in so far as the definition of "buildings" in any said Architects' Act may include, or be included in the structures enumerated in Section 3 of this Act.

Section 22. All laws or parts of laws in conflict with the provisions of this Act be and the same are hereby repealed.

Section 23. This Act shall take effect immediately upon its passage and approval by the Governor.

Approved the 22nd day of March, A.D. 1922.

R. A. COOPER, Governor.

Amending Act Approved the 10th day of March, A.D. 1928.

JOHN G. RICHARDS, Governor.

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